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Sequence Listing was accepted.
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Reviewer: Durreshwar Anjum
Timestamp: [year=2009; month=12; day=10; hr=10; min=56; sec=38; ms=845;]
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Validated By CRFValidator v 1.0.3

Application No: 10577655 Version No: 2.0

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Output Set:

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Finished: 2009-11-23 10:59:18.507
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Total Errors: 0
No. of SeqIDs Defined: 25
Actual SeqID Count: 25

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W 213	Artificial or Unknown found in <213> in SEQ ID (7)
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Input Set:

Output Set:

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Error code	Error Description
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<110> MACHIDA, Kazuhiro et al.

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<140> 10577655
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<150> JP 2003-396828
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cgccgctgcc gagcaccagc gccacgaagt agaccaccgt catgggattg agcagggtga 660

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gggcggcgcc gcccacggtc gcgagcagcg cgtacagccc gtcggccgtg gcgacgccga      900

gcgccgccga ggcgccggtg cgcagcgagg tgcgggcggt gagggagacc agataggtcc      960

cgaccgcgcc gacgggcacc gcgatgccgt acccggcgag caggcccgcg agcagcgcgc     1020

ccgtcacggg cgtgcgggac tggttcctcc ggggacggcg gggctgctgt cggcccggca     1080

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cctggggccg ccgcgcccgc accggcaaat gaattacggc gcgttccagc ccccggccgg     1200

ctcgctcttc ggccacttca ccgcgtacgg cgatctggcc gaacttgctg tcgccccata     1260

ggtgcctcgg gcatctaatg aagatcggca cgacgcacct cttcgtctgc gaggtctttc     1320

c atg acg gaa ctg acg gac atc acc ggc ccg ggg acc ccg gcc gaa ccc     1369
  Met Thr Glu Leu Thr Asp Ile Thr Gly Pro Gly Thr Pro Ala Glu Pro
  1               5                  10                  15

gtc gca ttc ccc cag gac cgc acc tgc ccc tac cac ccc ccc acc gga       1417
Val Ala Phe Pro Gln Asp Arg Thr Cys Pro Tyr His Pro Pro Thr Gly
            20                  25                  30

tac ggc ccg ctg cgc gac ggg cgc agc ctg tcc cgc gtc acc ctc ttc       1465
Tyr Gly Pro Leu Arg Asp Gly Arg Ser Leu Ser Arg Val Thr Leu Phe
        35                  40                  45

gac ggc cgc gag gtc tgg atg gtc acg ggc cac gcc acc gcc cgc gcg       1513
Asp Gly Arg Glu Val Trp Met Val Thr Gly His Ala Thr Ala Arg Ala
    50                  55                  60

ctg ctc gcg gac ccc cgg ctg tcc acc gac cgc acc ctc ccg ggc ttc       1561
Leu Leu Ala Asp Pro Arg Leu Ser Thr Asp Arg Thr Leu Pro Gly Phe
65                  70                  75                  80

ccc gtg ccc acg gcc cgc ttc gcg gcc gtc cgc gac cgg cgg gtg gcg       1609
Pro Val Pro Thr Ala Arg Phe Ala Ala Val Arg Asp Arg Arg Val Ala
                85                  90                  95

ctg ctc ggc gtg gac gac ccg gtc cac cag acc cag cgg cgg atg atg       1657
Leu Leu Gly Val Asp Asp Pro Val His Gln Thr Gln Arg Arg Met Met
            100                 105                 110

atc ccg tcg ttc acc ctc aag cgc gcg gcc ggg ctg cgg ccc acc atc       1705
Ile Pro Ser Phe Thr Leu Lys Arg Ala Ala Gly Leu Arg Pro Thr Ile
        115                 120                 125

cag cgg acc gtc gac ggg ctg ctg gac gcg atg atc gag aag ggg ccg       1753
Gln Arg Thr Val Asp Gly Leu Leu Asp Ala Met Ile Glu Lys Gly Pro
    130                 135                 140
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ccg gcc gag ctg gtc tcc gcc ttc gcc ctg ccc gtg ccc tcg gtg gtc       1801
Pro Ala Glu Leu Val Ser Ala Phe Ala Leu Pro Val Pro Ser Val Val
145                 150                 155                 160

atc tgc ggc ctg ctc ggc gtg ccg tac gcc gac cac gag ttc ttc gag       1849
Ile Cys Gly Leu Leu Gly Val Pro Tyr Ala Asp His Glu Phe Phe Glu
                165                 170                 175

gaa cag tcc cgc acg ctg ctg cgc ggt ccc acg gcc gcc gac tcg caa       1897
Glu Gln Ser Arg Thr Leu Leu Arg Gly Pro Thr Ala Ala Asp Ser Gln
            180                 185                 190

ggg gcg cgc gag cgg ctc gag gag tac ctc ggc ggg ctg atc gac gac       1945
Gly Ala Arg Glu Arg Leu Glu Glu Tyr Leu Gly Gly Leu Ile Asp Asp
        195                 200                 205

aag gag cgg cag gcc gaa ccc ggc gac ggc gtc ctg gac gac ctc gtc       1993
Lys Glu Arg Gln Ala Glu Pro Gly Asp Gly Val Leu Asp Asp Leu Val
    210                 215                 220

cac cag cgg ctg cgc acc ggc gag ctg gac cgg cgc gac gtg gtg gcg       2041
His Gln Arg Leu Arg Thr Gly Glu Leu Asp Arg Arg Asp Val Val Ala
225                 230                 235                 240

ctg gcc gtc atc ctg ctc gtg gcc ggg cac gag acg acc gcc aac atg       2089
Leu Ala Val Ile Leu Leu Val Ala Gly His Glu Thr Thr Ala Asn Met
                245                 250                 255

atc tcc ctc ggc acc tac acg ctg ctg cgg cac ccc ggc cgg ctg gcc       2137
Ile Ser Leu Gly Thr Tyr Thr Leu Leu Arg His Pro Gly Arg Leu Ala
            260                 265                 270

gag ctg cgc gcc gac ccg gcg ctg ctg ccc gcc gcc gtg gag gag ctg       2185
Glu Leu Arg Ala Asp Pro Ala Leu Leu Pro Ala Ala Val Glu Glu Leu
        275                 280                 285

atg cgg atg ctc tcg atc gcg gac ggg ctg ctg cgc ctg gcc ctg gag       2233
Met Arg Met Leu Ser Ile Ala Asp Gly Leu Leu Arg Leu Ala Leu Glu
    290                 295                 300

gac atc gag atc gcc ggc gcc acg atc cgg gcc ggc gag ggc gtc ctg       2281
Asp Ile Glu Ile Ala Gly Ala Thr Ile Arg Ala Gly Glu Gly Val Leu
305                 310                 315                 320

ttc tcc acc tcg ctg atc aac cgc gac gag tcc gtg ttc gac gac ccc       2329
Phe Ser Thr Ser Leu Ile Asn Arg Asp Glu Ser Val Phe Asp Asp Pro
                325                 330                 335

gac acc ctg gac ttc cac cgc tcc acc cgc cac cac gtg gcc ttc ggt       2377
Asp Thr Leu Asp Phe His Arg Ser Thr Arg His His Val Ala Phe Gly
            340                 345                 350

ttc ggc atc cac cag tgc ctg ggc cag aac ctg gcc cgc gcc gag ctg       2425
Phe Gly Ile His Gln Cys Leu Gly Gln Asn Leu Ala Arg Ala Glu Leu
        355                 360                 365

gag atc gcc ctg ggc acg ctc ctg gag cgg ctc ccc ggc ctc cgg ctg       2473
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Glu Ile Ala Leu Gly Thr Leu Leu Glu Arg Leu Pro Gly Leu Arg Leu
    370                 375                 380

gcc gcg ccc gcc gag gag atc ccg ttc aaa ccc ggc gac acg atc cag       2521
Ala Ala Pro Ala Glu Glu Ile Pro Phe Lys Pro Gly Asp Thr Ile Gln
385                 390                 395                 400

ggg atg ctg gaa ctc ccc gtg acc tgg taagaggctc tggtc atg cac atc      2572
Gly Met Leu Glu Leu Pro Val Thr Trp                 Met His Ile
                405                                 410

gac atc gac aag gac cgc tgc atc ggc gcc ggc cag tgc gcg ctg gcc       2620
Asp Ile Asp Lys Asp Arg Cys Ile Gly Ala Gly Gln Cys Ala Leu Ala
        415                 420                 425

gcc ccg ggc gtg ttc acc cag gac gac gac ggc tac agc acc ctg ctc       2668
Ala Pro Gly Val Phe Thr Gln Asp Asp Asp Gly Tyr Ser Thr Leu Leu
    430                 435                 440

ccc ggc cgc gag gac ggc ggg ggc gac ccg atg gtc cgg gag gcg gcc       2716
Pro Gly Arg Glu Asp Gly Gly Gly Asp Pro Met Val Arg Glu Ala Ala
445                 450                 455                 460

cgc gcc tgc ccg gtg agc gcc atc cgg gtg acc gaa ccg gcc ggc           2761
Arg Ala Cys Pro Val Ser Ala Ile Arg Val Thr Glu Pro Ala Gly
                465                 470                 475

tgaggcgggg cccggcggcc gcggcccgct gccgggaccg ccgttcccag ttcagtaggg     2821

tcgtgcgatg acctcacagg ccgggaagcc cttcctctac gtcgtcgtct gcgcggccgg     2881

gaccgccgcc ggagtcacca cgctgatcgg cgccgcccag gcgcggggct gggaggtggg     2941

ggtcctggcc acgccggtgg cgatgggcgg gttcttcgac acggctgcgg tcgaggagat     3001

gacgggccgg cccatccgct cggcctggcg ctcgccggcc gatccgcgcc cgttcccgcc     3061

gccgggcgcc gtggtggtgg cgcccgccac cttcaacacc gtcaacaagt gggcggccgg     3121

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cgccgtcctg ccctgcgtgg cggacgcgct ggccgcccac cccgcgtacc gggagggcct     3241

tctccggctg cgtgggatgg gcgtccgctt cggcgagccg tacgccggcc cgccgggggа     3301

ggacggcgag gcggacggcg cacggcccgg gttcgcctgg gagaacgccc tggacctgct     3361

ggagcgggcc tgaacccgct ccccgacccg tagggcctgt ctgacactgt cagacaggcc     3421

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gaccttcacc gtctcgggac ggccgggctg cagcgcggtc agcgcgcagt ccagggagta     3601

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Tyr Gly Pro Leu Arg Asp Gly Arg Ser Leu Ser Arg Val Thr Leu Phe
35 40 45

Asp Gly Arg Glu Val Trp Met Val Thr Gly His Ala Thr Ala Arg Ala
50 55 60

Leu Leu Ala Asp Pro Arg Leu Ser Thr Asp Arg Thr Leu Pro Gly Phe
65 70 75 80

Pro Val Pro Thr Ala Arg Phe Ala Ala Val Arg Asp Arg Arg Val Ala
85 90 95

Leu Leu Gly Val Asp Asp Pro Val His Gln Thr Gln Arg Arg Met Met
100 105 110

Ile Pro Ser Phe Thr Leu Lys Arg Ala Ala Gly Leu Arg Pro Thr Ile
115 120 125

Gln Arg Thr Val Asp Gly Leu Leu Asp Ala Met Ile Glu Lys Gly Pro
130 135 140

Pro Ala Glu Leu Val Ser Ala Phe Ala Leu Pro Val Pro Ser Val Val
145 150 155 160

Ile Cys Gly Leu Leu Gly Val Pro Tyr Ala Asp His Glu Phe Phe Glu
165 170 175

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Glu Gln Ser Arg Thr Leu Leu Arg Gly Pro Thr Ala Ala Asp Ser Gln
            180                 185                 190

Gly Ala Arg Glu Arg Leu Glu Glu Tyr Leu Gly Gly Leu Ile Asp Asp
        195                 200                 205

Lys Glu Arg Gln Ala Glu Pro Gly Asp Gly Val Leu Asp Asp Leu Val
    210                 215                 220

His Gln Arg Leu Arg Thr Gly Glu Leu Asp Arg Arg Asp Val Val Ala
225                 230                 235                 240

Leu Ala Val Ile Leu Leu Val Ala Gly His Glu Thr Thr Ala Asn Met
                245                 250                 255

Ile Ser Leu Gly Thr Tyr Thr Leu Leu Arg His Pro Gly Arg Leu Ala
            260                 265                 270

Glu Leu Arg Ala Asp Pro Ala Leu Leu Pro Ala Ala Val Glu Glu Leu
        275                 280                 285

Met Arg Met Leu Ser Ile Ala Asp Gly Leu Leu Arg Leu Ala Leu Glu
    290                 295                 300

Asp Ile Glu Ile Ala Gly Ala Thr Ile Arg Ala Gly Glu Gly Val Leu
305                 310                 315                 320

Phe Ser Thr Ser Leu Ile Asn Arg Asp Glu Ser Val Phe Asp Asp Pro
                325                 330                 335

Asp Thr Leu Asp Phe His Arg Ser Thr Arg His His Val Ala Phe Gly
            340                 345                 350

Phe Gly Ile His Gln Cys Leu Gly Gln Asn Leu Ala Arg Ala Glu Leu
        355                 360                 365

Glu Ile Ala Leu Gly Thr Leu Leu Glu Arg Leu Pro Gly Leu Arg Leu
    370                 375                 380

Ala Ala Pro Ala Glu Glu Ile Pro Phe Lys Pro Gly Asp Thr Ile Gln
385                 390                 395                 400
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Gly Met Leu Glu Leu Pro Val Thr Trp
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Thr Leu Leu Pro Gly Arg Glu Asp Gly Gly Gly Asp Pro Met Val Arg
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Ala Gly
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gtacaccgcc tacctcggcc acacccagct cggacatgcc gtccgacaga gcctgccggc 180

cgaggcggca cacgaccgct atctggatgg cgtgatcgac accctcgtac ggccgcggga 240

cggaggcgat gaagccgaac atgtcacaat ctgaacgagg ttggcggaac tgcgcgcaga 300

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Val Thr Glu Ala Ile Pro Tyr Phe Gln Asn Arg Thr Cys Pro Tyr His
1               5                   10                  15

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Pro Pro Ala Ala Tyr Gln Pro Leu Arg Gly Ala Gly Pro Leu Ser His
            20                  25                  30

gtc acg ttc tac gac ggc cgg aag gtg tgg gcg gtc acc ggc cac ccc        563
Val Thr Phe Tyr Asp Gly Arg Lys Val Trp Ala Val Thr Gly His Pro
        35                  40                  45

gag gca cgg gcg ctg ctg acc gac cag cga ctc tcc gcc gac cgg cag        611
Glu Ala Arg Ala Leu Leu Thr Asp Gln Arg Leu Ser Ala Asp Arg Gln
    50                  55                  60

aac ccg gcc ttc ccg gtc ccc ttc gaa cgc ttc gcg gcc atc cgc cgg        659
Asn Pro Ala Phe Pro Val Pro Phe Glu Arg Phe Ala Ala Ile Arg Arg
65                  70                  75                  80

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Val Arg Thr Pro Leu Ile Gly Val Asp Asp Pro Glu His Asn Thr Gln
                85                  90                  95

cgc cgg atg ctg atc ccc agc ttc agc ctc aag cgg acc gcc gca ctg        755
Arg Arg Met Leu Ile Pro Ser Phe Ser Leu Lys Arg Thr Ala Ala Leu
            100                 105                 110

cgg ccg gag atc cag cgg atc gtc gac ggg ctg ctc gac cgg atg ctg        803
Arg Pro Glu Ile Gln Arg Ile Val Asp Gly Leu Leu Asp Arg Met Leu
        115                 120                 125

gat cag ggc ccg ccc acc gag ctg gtc tcc gcg ttc gcc ctg ccg gtc        851
Asp Gln Gly Pro Pro Thr Glu Leu Val Ser Ala Phe Ala Leu Pro Val
    130                 135                 140

ccg tcg atg gtg atc tgc gca ctg ctc gga gtc tca tac gcc gac cat        899
Pro Ser Met Val Ile Cys Ala Leu Leu Gly Val Ser Tyr Ala Asp His
145                 150                 155                 160

gag ttc ttc gag gag gag
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